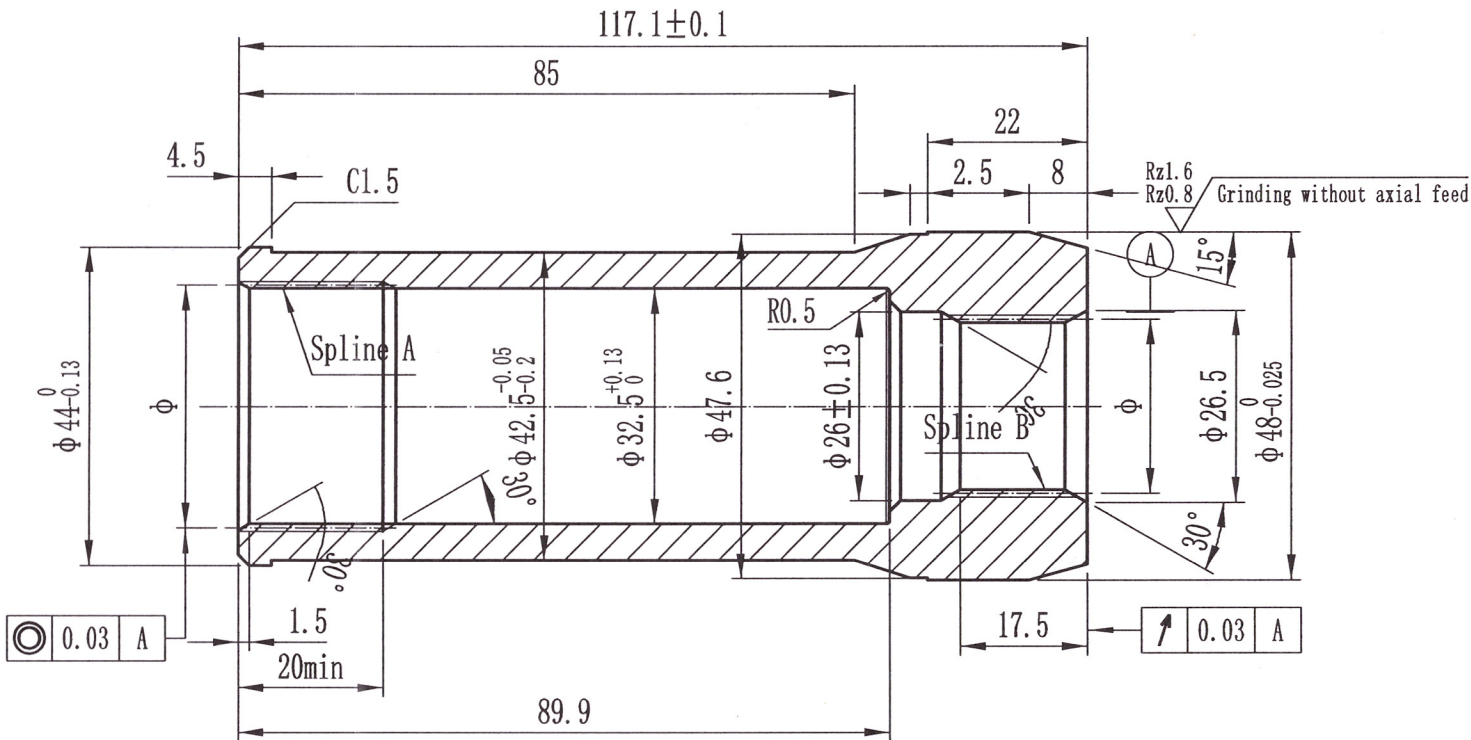


	Internal Spline A		Internal Spline B	
standards and specifications	GB/T 3478-2008		GB/T 3478-2008	
tooth root type and mating form				
Number of Teeth	Z	26	Z	23
Module	m	1.25	m	1
pressure angle	α_o	20°	α_o	20°
Indexing circle diameter	D		D	
Base Circle diameter	D_b		D_b	
modification coefficient	X		X	
minor diameter	D_{ii}	$\phi 32.5^{+0.1}_0$	D_{ii}	$\phi 23^{+0.13}_0$
major diameter	D_{ei}	$\phi 34.9^{+0.1}_0$	D_{ei}	$\phi 25.1^{+0.1}_0$
Max. diameter of involute starting circle	D_{fi}		D_{fi}	
Maximum actual tooth space width	E_{max}		E_{max}	
Minimum actual tooth space width	E_{min}		E_{min}	
Maximum effective tooth space width	E_{vmax}		E_{vmax}	
Minimum effective tooth space width	E_{vmin}		E_{vmin}	
tool fillet radius	R		R	
measuring rod diameter	D_{Ri}	$\phi 2.5$ (切扁2.0)	D_{Ri}	$\phi 2.02$
rod spacing	M_{Ri}	$30.1^{+0.153}_0$	M_{Ri}	$21^{+0.14}_0$
cumulative tolerance of tooth pitch	F_p		F_p	
tooth alignment tolerance	F_{β}		F_{β}	
circular run-out of gear ring	F_r		F_r	
mating part code				



APPROVED

JSC «Russkaya Mekhanika»

Chief Designer

090725

data

signature

Technical Requirements

- Heat treatment: carburizing and quenching. Surface hardness: 58-63 HRC. Effective case depth: 0.5-0.8. Core hardness: 30-43 HRC.;
- Check splines with a comprehensive spline ring gauge.
- Remove sharp corners and burrs. Chamfer of 0.5%×45° if not specified. Maximum fillet radius: R0.5.
- Runout of inner and outer spline gear rings shall be 0.05. Other spline tolerances shall comply with Grade 6 of GB3478.1-95.
- For unspecified tolerance, the limit deviation is ±0.15. For unspecified geometric tolerances, comply with GB1184-K.
- Surface treatment: blackening treatment. Corrosion resistance in salt spray test ≥ 48h.

800A-RM-Q-300001-01					
变更版本号	变更通知号	修订人	修订日期	处数	修订内容简述
★标识为关键特性 ☆标识为重要特性		共 1 张	第 1 张	20CrMnTi	
		图纸版本号	S01		
		设计		重庆金纳动力科技有限公司	
该图纸版权属重庆金纳动力科技有限公司, 未经允许不得复制和擅自使用		校对		阶段标记	重量
		工艺		比例	Front Drive Shaft Sleeve
		标准化		1:1	图纸代号
		批准		第一角投影	物料编码